

CLAIMS

1. An impeller having a disk-like main plate, a blade joined to said main plate, and a side plate having a suction port, characterized in that:

5 a boss hole is formed in a central portion of said main plate for attaching a boss which engages with a pump shaft to said boss hole, wherein a step portion is formed around the boss hole, which is formed in said main plate, by drawing.

10 2. The impeller as recited in claim 1, characterized in that when a plurality of main plates are piled on one another, a gap formed by said step portions of adjacent main plates is set to be in a range of 0.3 mm to 0.4 mm.

15 3. An impeller having a disk-like main plate, a blade joined to said main plate, and a side plate having a suction port, characterized in that: a radially inner end portion of said blade which is joined to said main plate is rounded.

20 4. A multistage pump characterized by comprising a plurality of intermediate casings, impellers, as recited in any one of claims 1 thorough 3, housed in respective intermediate casings, and a main shaft for supporting said impellers.